Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

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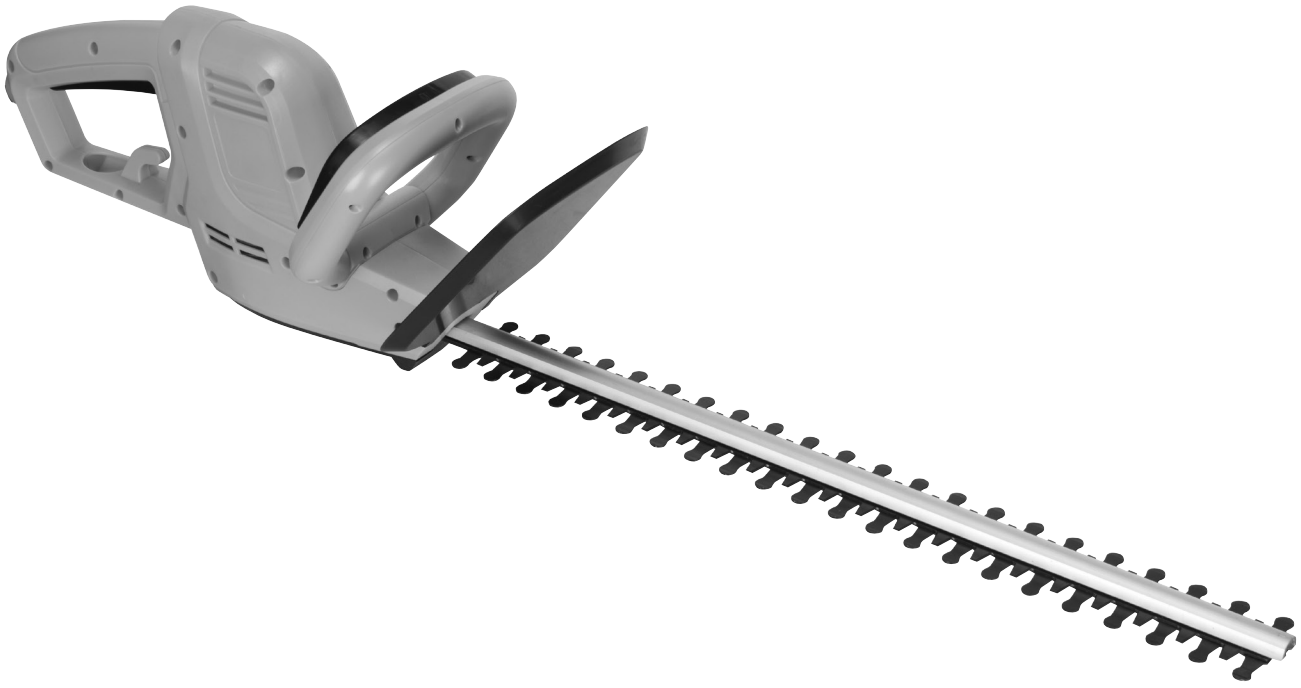
ELECTRIC

22" HEDGE TRIMMER



ITEM 62339

Visit our website at: http://www.harborfreight.com
Email our technical support at: productsupport@harborfreight.com

REV 14f

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools.
Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein.
Tools required for assembly and service may not be included.

⚠WARNING

**Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.**

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WARNING SYMBOLS AND DEFINITIONS	
⚠	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
⚠ DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠ WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE CAUTION	Addresses practices not related to personal injury.

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING

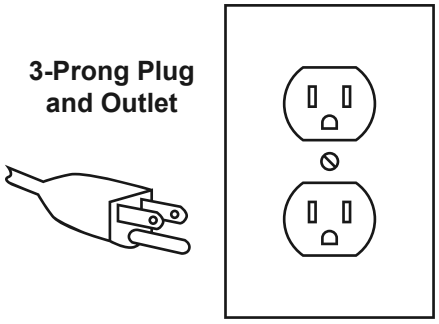
When using electric gardening appliances, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

READ ALL INSTRUCTIONS

Power Cord Safety

WARNING! - To reduce the risk of electric shock, use only with an extension cord intended for outdoor use, such as an extension cord of cord type SW-A, SOW-A, STW-A, STOW-A, SJW-A, SJOW-A, SJTW-A, or SJTOW-A.

1. Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuit(s) or outlet(s) to be used for the gardening appliance. Receptacles are available having built-in GFCI protection and may be used for this measure of safety.
2. Do not Abuse Cord - Do not carry appliance by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
3. Use only three-wire outdoor extension cords that have three-prong grounding plugs and grounding receptacles that accept the appliance's plug.
4. This appliance should be grounded while in use to reduce the risk of electric shock to the operator. The appliance is equipped with a 3-conductor cord and 3-prong grounding plug to fit the proper grounding receptacle. The green or green and yellow conductor in the cord is the grounding wire. Do not connect the green or green and yellow wire to a live terminal.



Your unit has a plug as illustrated above. The outlet used should look like the outlet illustrated above. **Do not remove the grounding prong from the plug. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.**

5. WARNING: The cord of this product contains lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, *et seq.*)

6. **Extension Cord -** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized extension cord will cause a drop in line voltage resulting in loss of power and overheating.

Extension Cord Size

The following table shows the correct cord size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

TABLE A – MINIMUM WIRE GAUGE FOR EXTENSION CORDS (120 VOLT)

Ampere Rating (at full load)	EXTENSION CORD LENGTH			
	25′	50′	100′	150′
0 – 6	18	16	16	14
6 – 10	18	16	14	12
10 – 12	16	16	14	12
12 – 16	14	12	Not recommended	

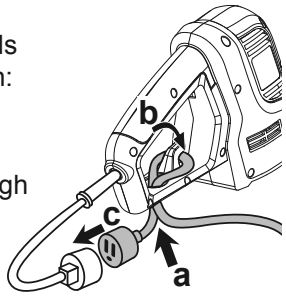
Connecting Cords

To reduce the risk of the cords pulling apart during operation:

a. Make a loop in the extension cord, and press that cord loop through the hole in the handle.

b. Hook that cord loop around the cord hook.

c. Make sure the Trigger is released, then plug the cord ends together.



Personal Safety

1. Dress Properly - Do not wear loose clothing or jewelry. They can be caught in moving parts. Use of rubber gloves and substantial footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.

2. Wear ANSI-approved safety goggles and heavy-duty work gloves. Use face or dust mask if operation is dusty.

3. Avoid Unintentional Starting - Do not carry plugged-in appliance with finger on switch. Be sure switch is off when plugging in.

4. Do not Overreach - Keep proper footing and balance at all times.

5. Stay Alert - Watch what you are doing. Use common sense. Do not operate appliance when you are tired.

6. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure. In addition, people with pacemakers should:
   - Avoid operating alone.
   - Don't use with power switch locked on.
   - Properly maintain and inspect to avoid electrical shock.
   - Any power cord must be properly grounded.

   Ground Fault Circuit Interrupter (GFCI) should also be implemented – it prevents sustained electrical shock.

7. **Keep hands and feet away from cutting area.**

Gardening Appliance Use and Care

1. **Avoid Dangerous Environment - Do not use appliances in damp or wet locations.**
2. **Do not Use In Rain.**
3. **Keep Children Away - All visitors should be kept at a distance from work area.**
4. When servicing use only identical replacement parts.
5. Use Right Appliance - Do not use appliance for any job except that for which it is intended.
6. Do not Force Appliance - It will do the job better and with less likelihood of injury at the rate for which it was designed.
7. Store Idle Appliances Indoors - When not in use, appliances should be stored indoors in dry, and high or locked-up place - out of reach of children.
8. Maintain Appliance With Care - Keep cutting edge sharp and clean for best performance and to reduce the risk of injury. Follow instructions for lubricating and changing accessories. Inspect appliance cord periodically, and if damaged, have it repaired by an authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
9. Check Damaged Parts - Before further use of the appliance, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other condition that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by a qualified technician unless indicated elsewhere in this manual.
10. **Disconnect Appliance - Disconnect the appliance from the power supply when not in use, before servicing, when changing accessories such as blades, and the like.**
11. **Keep guards in place and in working order.**
12. **Keep blades sharp.**

Vibration Hazard

This appliance vibrates during use.
Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders.
To reduce the risk of vibration-related injury:

1. Anyone using vibrating appliances regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this appliance. If you feel any symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.
2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
3. Wear suitable gloves to reduce the vibration effects on the user.
4. Use appliances with the lowest vibration when there is a choice between different processes.
5. Include vibration-free periods each day of work.
6. Grip appliance as lightly as possible (while still keeping safe control of it). Let the appliance do the work.
7. To reduce vibration, maintain the appliance as explained in this manual. If any abnormal vibration occurs, stop use immediately.

General Safety

1. The blade will continue to move for a few seconds after use. Allow it to stop completely and unplug it before putting the appliance down, making any adjustments, or servicing the appliance.
2. Do not use in rain, snow, sprinklers, or wet grass. Do not rinse off the Trimmer.
3. Use only during daylight hours.
4. Carefully inspect the Blade Assembly before plugging in the Trimmer. Do not use Trimmer if any part of the Blade Assembly is bent, dull, or damaged.
5. Cover the Blade Assembly with the Sheath after every use.
6. The Trigger and Safety Switch are important safety devices. Do not disable or tie down either Trigger or Safety Switch.
7. Do not cut toward your body or face.
8. Do not use appliance for other than intended use.
9. Maintain labels and nameplates on the appliance. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
10. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

SAVE THESE INSTRUCTIONS.

Specifications

Electrical Rating	120VAC / 60Hz / 4A
No Load Speed	3,200 SPM (Strokes Per Minute)
Branch Capacity	5/8″ diameter

Intertek
3098095

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Set Up Instructions

Read the ENTIRE IMPORTANT SAFETY INSTRUCTIONS section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Make sure that the Power Switch/Trigger is in the off-position and unplug the tool from its electrical outlet before performing any procedure in this section.

Note: For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

Assembly

Install Guard

1. Slide tabs on Guard (45) into slots on the sides of the Housing.
2. Make sure Guard is aligned correctly, as show in Figure A.

Note: Guard is designed to be permanently installed. It cannot be removed or repositioned after installation.

3. Attach Guard to Housing, using two One-way Screws (44).

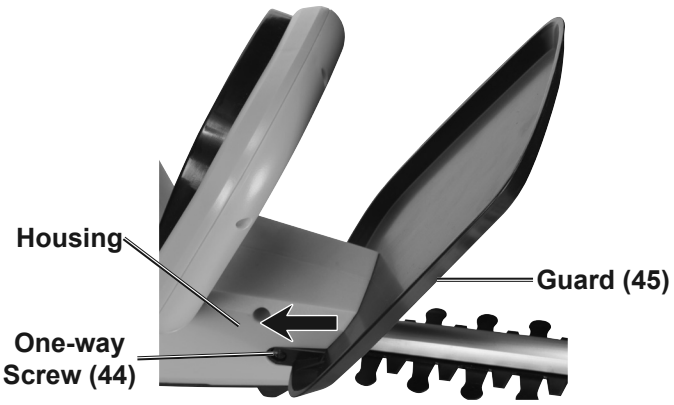

Figure A: Installing Guard

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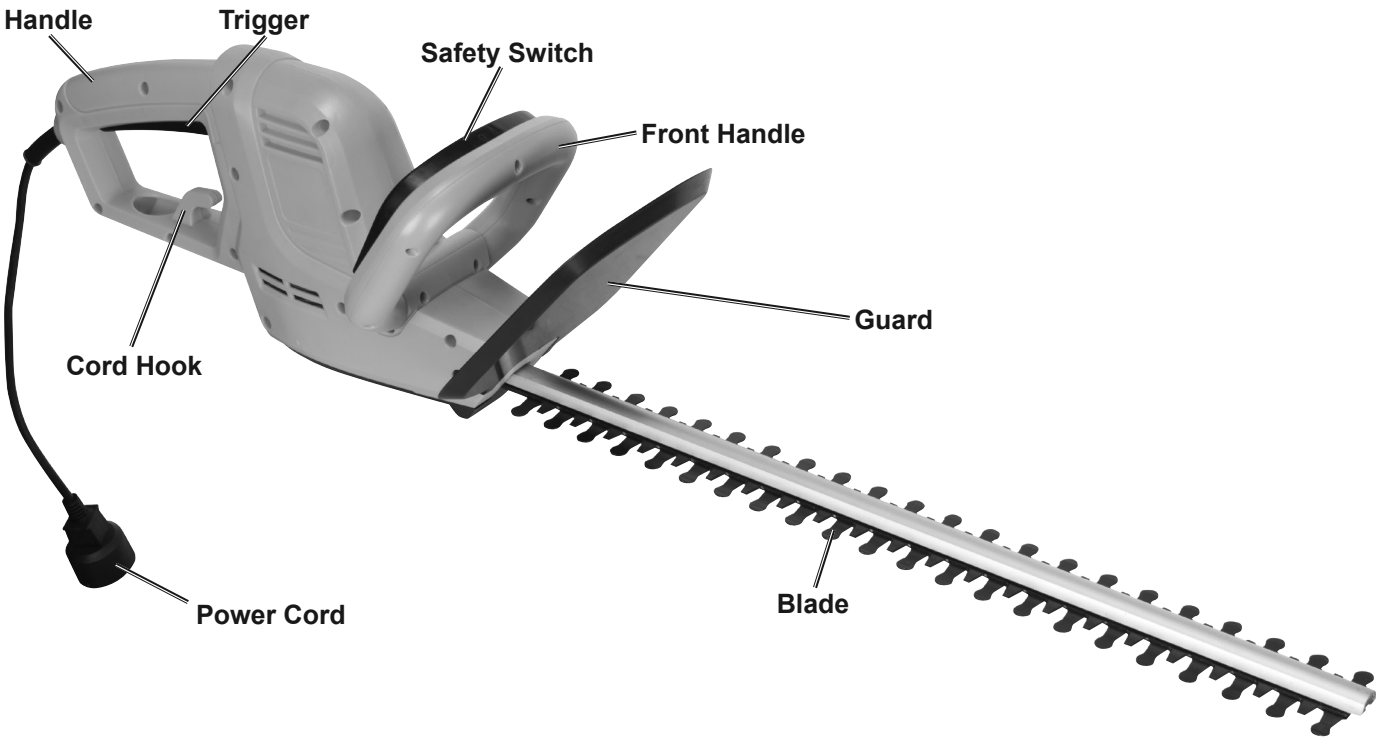
Functions



Trigger and Safety Switch: To increase safety, these have to be used together to activate the Trimmer.
The Safety Switch has to be squeezed first to allow the Trigger to operate.
Keep your hands on the Handle and Front Handle at all times during operation.
The Blade will coast to a stop after the Trigger is released.

Available Accessories/Attachments

⚠WARNING

Use of any accessory or attachment other than those listed below may increase the risk of serious injury.

Accessories and attachments are not available for this product.

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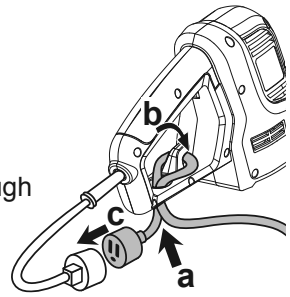
Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Using Cord Hook

1. An extension cord (sold separately) will be required. Ensure that the extension cord is an outdoor type extension cord and that it is the correct design to accept this appliance's plug.
2. **WARNING!**
   TO PREVENT ELECTRIC SHOCK AND SERIOUS PERSONAL INJURY:
   The extension cord must remain secured to the appliance's plug.
3. Secure the extension cord using the cord hook as explained below.
   a. Make a loop in the extension cord, and press that cord loop through the hole in the handle.
   b. Hook that cord loop around the cord hook.
   c. Make sure the Trigger is released, then plug the cord ends together.



General Operation

1. Before operating the gardening appliance, put on ANSI-approved safety goggles and other safety gear.
   Safety goggles and other safety gear are sold separately.
2. Mark off the hedge you will trim using stakes and marking string (sold separately).
   Remove all decorations, lighting fixtures, and cords from the area. Search for all branches thicker than 5/8″ diameter and cut to length using loppers (sold separately).

WARNING! TO PREVENT SERIOUS INJURY FROM ELECTRIC SHOCK: Keep Power Cord away from hedge and cutting area. If Power Cord is cut or damaged immediately disconnect it from outlet.

3. When the area is clear, hold the Blade near the hedge and squeeze the Safety Switch first, then the Trigger to start the Trimmer.

WARNING! TO PREVENT SERIOUS INJURY:
Keep your hands on the Handle and Front Handle at all times during operation.

NOTICE: Be careful to avoid contacting any chain-link or wire fence, they may damage the Blade.

4. Take off layers of plant material gradually, using multiple passes. This will help avoid damaging the hedge, and will help prevent accidentally cutting thick branches or other objects hidden within the hedge.
5. If the Trimmer gets stuck on a branch:
   a. Unplug the Power Cord.
   b. Remove the Blade from the branch.
   c. Cut the branch to the desired length using a lopper (sold separately).

WARNING! TO PREVENT SERIOUS INJURY:
Wait for the Blade to stop completely before putting down the Trimmer. The Blade will briefly keep moving, even after the Trigger has been released.

6. To prevent accidents, release the Trigger to turn off the Trimmer and unplug it after use. Clean and lubricate the Blade using a light machine oil, cover the Blade with the Sheath, then store the appliance indoors out of children's reach.

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Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Make sure that the Power Switch/Trigger is in the off-position and unplug the tool from its electrical outlet before performing any procedure in this section.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:
Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

1. **BEFORE EACH USE,** inspect the general condition of the tool. Check for:
   - loose hardware,
   - misalignment or binding of moving parts, especially Blade assembly,
   - damaged cord/electrical wiring,
   - cracked or broken parts, and
   - any other condition that may affect its safe operation.
2. **AFTER USE,** clean external surfaces of the appliance with clean, moist cloth. Lubricate Blade using a light machine oil.
3. Blade nicks that interfere with normal Blade movement can be removed after disconnecting the Power Cord using a file (sold separately).
4. **⚠WARNING! If the supply cord of this appliance is damaged, it must be replaced only by a qualified service technician.**
5. Do not store near fertilizer or other gardening chemicals. They may accelerate corrosion, making the tool unsafe.

PLEASE READ THE FOLLOWING CAREFULLY

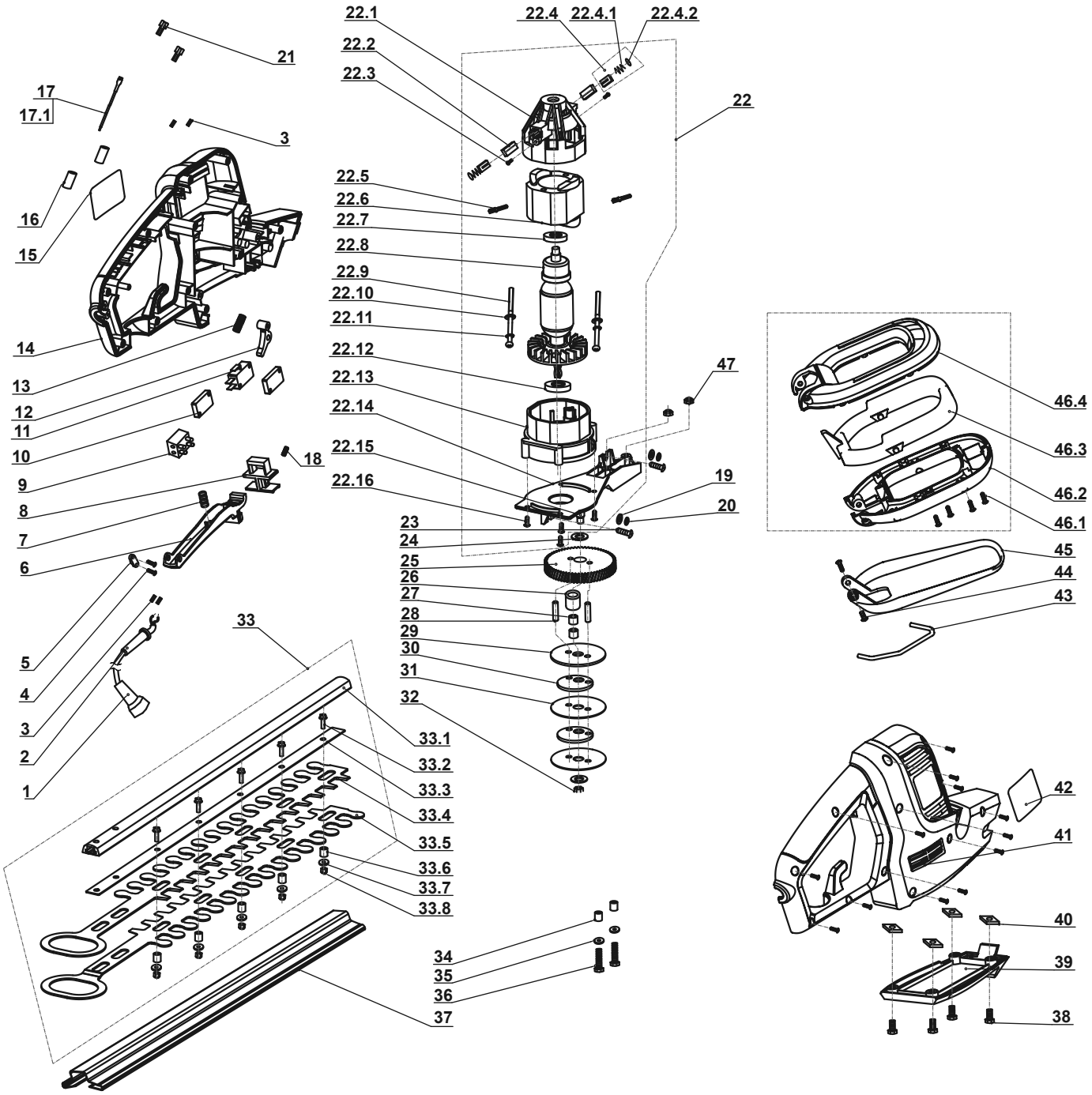
THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Parts List

Part	Description	Qty
1	Power Cord	1
2	Cable Jacket	1
3	Tooth Buckle 0.75	4
4	Screw St2.9x14-F-H	2
5	Cable Clamp Plate	1
6	Trigger	1
7	Spring	1
8	Sliding Pad	1
9	Terminal Block	1
10	Switch Pad	2
11	Switch	1
12	Rear Control Pole	1
13	Control Pole Spring	1
14	Left Housing	1
15	Label	1
16	Heat Shrinkable Tube Ø5x20	2
17	Internal Wire	1
17.1	Soft Wire	1
18	Sliding Pad Spring	1
19	Washer 5	2
20	Spring Washer 5	2
21	4.8X0.8 Socket	2
22	Motor	1
22.1	Motor Upper Bracket	1
22.2	Carbon Brush Holder	2
22.3	Screw St2.9x8-C-H	2
22.4	Carbon Brush	2
22.4.1	Carbon Brush Spring	2
22.4.2	Brush Cap	2
22.5	2.8X0.8 Terminal	2
22.6	Stator	1
22.7	Bearing 607-2Z	1
22.8	Rotor	1
22.9	Screw St3.9x60-C-H	2
22.10	Washer 4	2
22.11	Spring Washer 4	2
22.12	Bearing 608-2Z	1
22.13	Motor Lower Bracket	1
22.14	Aluminum Support	1

Part	Description	Qty
22.15	Shaft	1
22.16	Screw St3.9x16-F-H	20
23	Screw St4.8x18-F-H	2
24	Washer 7	2
25	Gear	1
26	Shaft Sleeve	1
27	Hk0709 Bearing	2
28	Pin 5	2
29	Spacer	1
30	Cam Wheel	2
31	Spacer	2
32	Nut M6	1
33	Blade Asm.	1
33.1	Blade Top Bar	1
33.2	Bolt M5x14	5
33.3	Press Plate	1
33.4	Upper Blade	1
33.5	Lower Blade	1
33.6	Bolt Sleeve	5
33.7	Washer	5
33.8	Nut M5	5
34	Bolt Sleeve	2
35	Washer	2
36	Bolt M5x30	2
37	Sheath	1
38	Bolt M5x10	4
39	Bottom Plate	1
40	Square Nut M5	4
41	Right Housing	1
42	Label	1
43	Drawbar	1
44	One-way Screw St3.9x14-F-H	2
45	Guard	1
46.1	Screw St2.9x12-F-H	11
46.2	Lower Front Handle	1
46.3	Safety Switch	1
46.4	Upper Front Handle	1
47	Nut M5	2

Assembly Diagram



Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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